

## Science Collaborative CIU Meeting #2

March 16<sup>th</sup> 10 a.m. – 11:30 a.m.

### Present

KBRR Staff: Megan Murphy, Angie Doroff, Steve Baird, Jess Ryan

City of Homer: Jim Hornaday (Mayor)

KP Borough: Gary Williams (Kenai River Center)

UAF: Jeff Freymeuller (Geophysical Institute Lab Mgr)

NOAA: Kris Holderied (Kasitsna Bay Lab Manager)

KBRR Community Council: Bob Hartley, Jim Hornaday, Michael Opheim (Seldovia Village Tribe), Charles Francis

### Absent

DNR: Rick Thompson (Regional Land Manager)

City of Homer: Bryan Hawkins (Harbormaster), Walt Wrede (Manager), Rick Aboud (Planner)

KP Borough: Susan Wilcox (Chief of Staff)

### Summary of Action Items:

- Kris Holderied to help Jeff F. access NOAA hydropalooza raw data
- Kris Holderied will send the most useful Data Terrain Model formats (jpg or image files) to the group
- Steve Baird to connect with Clem Tillion to determine if early 1900s erosion data available
- Megan to send progress report, CIU interviews, and What's New in the Bay doc to those who requested
- Determine meeting agenda for next meeting, June 1<sup>st</sup>

## AGENDA & NOTES

### Welcome & Introductions

### Project Updates

Jeff Freymueller – ppt slides

- 2 Continuously Operating Reference Stations (CORS) installed
  - o One at the City of Homer Water Treatment Facility – 'normal' data noise
  - o One on the McNeil Elementary School Roof – 'bad' data scatter that needs to be figured out
- Google Map provided in ppt that shows data collection sites for this project and others
- Need at least a year of data collection before data trends can be deciphered (and/or trusted)
- Discussion on possible locations of additional CORS sites – Peterson bay or Halibut Cover? Power more available nr these sites.

**\*\*Action Item: Kris Holderied to help Jeff F. to access NOAA hydropalooza raw data \*\***

Steve Baird: research / equipt

- update on # of salt marsh site selections to compare glacial inputs
- time since last mtg has been spent purchasing field equipment for the upcoming season
- Clarification on federal funds for this project (as the Federal Govt will be having considerable budget cuts): the KBRR Science Collaboration project has received its full funding for this project, so there is no threat of funds being decreased over the next 2 years of the project
- Kris H. : Ship Survey Data of the Data Terrain Models is now available →

**\*\*Action Item: Kris Holderied will send the most useful formats of this data (jpg or image files) to the group\*\***

#### Megan Murphy: outreach

- Angie Doroff presented at the Homer City Council mtg Jan 24<sup>th</sup> and to the Rotary club in February
- February 2<sup>nd</sup> KBRR Discovery Lab highlighted the foundational / background science of this collaborative project → plate tectonics, volcanoes, earthquakes → “Landscape Changes over Time”
- This lab setup was delivered to 11 3<sup>rd</sup>-6<sup>th</sup> grade classes throughout the month of February
- KBRR submitted 1<sup>st</sup> project report to UNH → Megan will send to those who are interested
- UNH project team member, Kalle Matso, interviewed a few S.C. members to get feedback on the first mtg. These notes are also available for others to read.
- Graduate student is available to help with this project from June – Dec 2011. We look forward to having his contribution.
- Citizen Science efforts to begin training in late July for Aug/Sept field outings

#### CIU Highlight: Gary Williams, Coastal District Manager

Gary displayed a picture of Hawk’s Beach (mouth of Stariski Creek & Happy Valley) → Houses that are being consumed by coastal erosion and the ocean. He described efforts he’s been involved in that include mapping coastal erosion rates (information available on the Borough Website (<http://www.borough.kenai.ak.us/>)). He described the importance of residents understanding coastal processes and the importance of these processes being communicated to coastal dwellers. His recent publication, “On the Coast” is one avenue for making this information available to future home-buyers & present coastal dwellers. If folks are interested in this publication or having Gary speak on these topics, please let him know ([gwilliams@borough.kenai.ak.us](mailto:gwilliams@borough.kenai.ak.us))

Gary’s upcoming work includes a hydrology study of the Kachemak Drive area – looking into possible mitigation opportunities for property owners.

- Discussion on mile 153.3 of sterling hwy – major undercutting of hwy & immediate action needed by DOT
- Gary provided update on the Coastal Management Program status – still unknown!

**\*\*Action Item: Steve Baird to connect with Clem Tillion to determine if early 1900s erosion data available\*\***

#### North Carolina Report Discussion

- Kris H: this document provides a great way of getting the information out clearly while providing some background info and some real #s
- Gary W: document is consumable / digestable
- Jim H: don’t use metric system in reports to general public or Science Collaborative audience
- Bob/Jeff : our projects involves many more environmental variables so might look a bit different
- This document is intended for an audience that is not an expert, but is familiar with the topic  
→ Additional outreach documents for different audiences will be needed to reach a larger audience

#### Possible Ideas for next meeting:

- Who would like to be the next highlighted CIU and provide a short presentation?
- Could possibly bring a sea level model in to discuss
- Highlight economics related to this project